

### **ABSTRACT**

Nucleic acid molecules from nematodes encoding phosphoethanolamine n-methyltransferase polypeptides are described. PEAMT-like polypeptide sequences are also provided, as are vectors, host cells, and recombinant methods for production of PEAMT-like nucleotides and polypeptides. Also described are screening methods for identifying inhibitors and/or activators, as well as methods for antibody production.

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